

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraphs 0047 and 0153 with the following amended paragraph(s). These amendments to the specification simply render browser executable links non-executable, and present no new matter.

[0001] For enzymatic saccharide syntheses that involve glycosyltransferase reactions, the recombinant cells of the invention optionally contain at least one heterologous gene that encodes a glycosyltransferase. Many glycosyltransferases are known, as are their polynucleotide sequences. *See, e.g.*, "The WWW Guide To Cloned Glycosyltransferases," (available on the World Wide Web at vei.co.uk forward slash TGN forward slash gt guide(dot)htm ~~www.vei.co.uk/TGN/gt_guide.htm~~). Glycosyltransferase amino acid sequences and nucleotide sequences encoding glycosyltransferases from which the amino acid sequences can be deduced are also found in various publicly available databases, including GenBank, Swiss-Prot, EMBL, and others.

[0002] A variety of methods are available for producing novel enzymes for use in biosynthetic pathways or for evolution of existing pathways. For example, recursive recombination, *e.g.*, as developed by Maxygen, Inc. (on the world wide web at maxygen(dot)com ~~at www.maxygen.com~~), is optionally used to develop novel enzymes and pathways. *See, e.g.*, Stemmer 1994, "*Rapid evolution of a protein in vitro by DNA shuffling*," Nature Vol. 370 No. 4: Pg. 389-391; and Stemmer, 1994, "*DNA shuffling by random fragmentation and reassembly: In vitro recombination for molecular evolution*," Proc. Natl. Acad. Sci. USA. Vol. 91: Pg. 10747-10751. Similarly DesignPath™, developed by Genencor (on the world wide web at ~~genencor.com~~ genencor(dot)com) is optionally used for metabolic pathway engineering, *e.g.*, to engineer a pathway to create an unnatural amino acid in *E coli*. This technology reconstructs existing pathways in host organisms using a combination of new genes, *e.g.*, identified through functional genomics, and molecular evolution and design. Diversa Corporation (on the world wide web at ~~diversa.com~~ diversa(dot)com) also provides technology for rapidly screening libraries of genes and gene pathways, *e.g.*, to create new pathways.